

**AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1-33. (Canceled).

34. (Currently amended) A method of producing antibodies to an antigen of human immunodeficiency virus type 1 (HIV-1), said method comprising:

(a) providing ~~an~~ a recombinant antigen of HIV-1, wherein said antigen is encoded by a nucleic acid fragment extending from the restriction site *KpnI* at about coordinate 6100 to the restriction site *BglIII* at about coordinate 9150 of plasmid  $\lambda$ -J19; and

(b) raising antibodies against said antigen by using the antigen as an immunogen.

35. (Currently amended) A method of producing antibodies to an antigen of human immunodeficiency virus type 1 (HIV-1), said method comprising:

(a) providing ~~an~~ a recombinant antigen of HIV-1, wherein said antigen is encoded by a nucleic acid fragment extending from the restriction site *KpnI* at about coordinate 3500 to the restriction site *BglIII* at about coordinate 6500 of plasmid  $\lambda$ -J19; and

(b) raising antibodies against said antigen by using the antigen as an immunogen.

36. (Currently amended) A method of producing antibodies to an antigen of human immunodeficiency virus type 1 (HIV-1), said method comprising:

(a) providing ~~an~~ a recombinant antigen of HIV-1, wherein said antigen is encoded by a nucleic acid fragment extending from the restriction site *Pst*I at about coordinate 800 to the restriction site *Kpn*I at about coordinate 3500 of plasmid  $\lambda$ -J19; and

(b) raising antibodies against said antigen by using the antigen as an immunogen.